



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

October 5, 2016

Audra Zentner  
Regulatory Supervisor  
Bonide Products, Inc.  
6301 Sutliff Road  
Oriskany, NY 13424

Subject: Notification per PRN 98-10 –Marketing claims  
Product Name: Bonide Lambda 0.002% Ready to Use  
EPA Registration Number: 4-467  
Application Date: 9/9/2015  
Decision Number: 521571

Dear Ms. Zentner:

The Agency is in receipt of your Application for Pesticide Notification under Pesticide Registration Notice (PRN) 98-10 for the above referenced product. The Registration Division (RD) has conducted a review of this request for its applicability under PRN 98-10 and finds that the action requested falls within the scope of PRN 98-10.

The label submitted with the application has been stamped “Notification” and will be placed in our records.

Should you wish to add/retain a reference to the company’s website on your label, then please be aware that the website becomes labeling under the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product’s label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA’s Office of Enforcement and Compliance.

If you have any questions, you may contact Angela Hollis at 703-347-0216 or via email at [hollis.angela@epa.gov](mailto:hollis.angela@epa.gov).

Sincerely,

A handwritten signature in black ink, appearing to read "Kable Bo Davis", enclosed within a hand-drawn oval.

Kable Bo Davis, Product Manager 3  
Invertebrate and Vertebrate Branch 1  
Registration Division (7505P)  
Office of Pesticide Programs



## LAMBDA 0.002% READY TO USE

For use outdoors around the home only

[Additional Brand Names: Orchard™ Est. 1931 Yard & Garden Insect Killer Ready To Use; Yard & Garden Insect Killer Ready To Use; Eight Insect Control Garden & Home II Ready to Use]

### Optional Marketing Statements

[Ready to Use Formula]

[Convenient to Use as a Spot Treatment]

[Kills on contact]

[For use on Vegetables, Fruits, Roses, Lawns, Flowers, Shrubs, Trees and Other Outdoor Plants and Surfaces]

[Kills and Controls Insects on Vinyl [Siding][Surfaces] for up to 8 Weeks]

[Protects lawns, vegetables, roses, flowers, trees, shrubs]

[Kills over 130 Insect/Pests [without Harming Plants]]

[Kills ants, fleas, chinch bugs, sod webworms, aphids, beetles, whiteflies, mites, deer ticks [which may transmit Lyme Disease], Japanese beetles, European crane flies and other listed insects.]

[Kills and Control Deer Ticks which may transmit Lyme Disease]

[For lawns, vegetables, trees, shrubs and ornamentals]

[**Pump & Spray Applicator**]

### ACTIVE INGREDIENT:

Lambda-cyhalothrin ..... 0.002%

OTHER INGREDIENTS:..... 99.998%

TOTAL: ..... 100.000%

Net Contents:

**Keep Out Of Reach Of Children**

**CAUTION**

**See back/side/other panel(s) for additional Precautionary Statements & First Aid.**

### NOTIFICATION

4-467

The applicant has certified that no changes, other than those reported to the Agency have been made to the labeling. The Agency acknowledges this notification by letter dated:

10/05/2016

[Per EPA 5/29/08 approval letter: May delete Precautionary Text & associated First Aid box]

**PRECAUTIONARY STATEMENTS**  
**Hazards to Humans and Domestic Animals**

**CAUTION:** Harmful if absorbed through skin. Avoid contact with skin, eyes or clothing. Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco.

<b>FIRST AID</b>	
<b>If on skin or clothing:</b>	Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a Poison Control Center or doctor for treatment advice.
Have the product container or label with you when calling a Poison Control Center or doctor for treatment advice. You may also contact the National Pesticide Information Center at 1-800-858-7378 for emergency medical treatment information.	

**Environmental Hazards**

This product is extremely toxic to fish and other aquatic organisms. To protect the environment, do not allow pesticide to enter or run off into storm drains, drainage ditches, gutters or surface waters. Applying this product in calm weather when rain is not predicted for the next 24 hours will help to ensure that wind or rain does not blow or wash pesticide off the treatment area.

This product is highly toxic to bees exposed to direct treatment or residues on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds if bees are visiting the treatment area.

**DIRECTIONS FOR USE**

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

**STOP-READ ENTIRE LABEL BEFORE USE.**

**Do not allow children or pets into the treated area until dry.**

**In New York State, this product may not be applied to lawns within 100 ft. of a coastal marsh, or stream that drains directly into a coastal marsh.**

Do not water the treated area to the point of run-off. Do not make applications during rain. All outdoor applications must be limited to spot or crack-and-crevice treatments only, except for the following permitted uses:

- (1) Treatment to soil or vegetation around structures;
- (2) Applications to lawns, turf, and other vegetation;
- (3) Applications to building foundations, up to a maximum height of 3 feet.

Other than applications to building foundations, all outdoor applications to impervious surfaces such as sidewalks, driveways, patios, porches and structural surfaces (such as windows, doors, and eaves) are limited to spot and crack-and-crevice applications only.

**APPLICATIONS INSTRUCTIONS**

- Shake well before each use.
- To avoid extreme wetting and waste of product, adjust nozzle to narrow fan spray. Hold sprayer about 1 foot from plant and spray just enough to cover the area that is to be treated.

**NOTE:** This product will not stain most home siding. However, before using, it is recommended to test on the siding (vinyl in particular) in an area that is not readily visible. Recheck after a few hours. If any staining is observed, DO NOT use.

[SPRAYER INSTRUCTIONS

1. To detach sprayer handle and wand, remove the sticker and gently pull the wand from the bottle.
2. Unwrap hose from bottle.
3. Cut white plastic safety strip from pump and discard.
4. Make sure pump is securely screwed into tank by turning clockwise.
5. Make sure control lever on sprayer handle is in the “OFF” position by pulling back.
6. Slightly turn pump handle clockwise to unlock.
7. Pump handle up & down to create pressure in tank.
8. Point spay nozzle away from people and pets and desired plants.
9. Push the control lever on the sprayer handle to “ON” to begin spraying.
10. Adjust spray pattern by turning nozzle cap.
11. Pull control lever back to stop spraying.]

**LAWNS**

SURFACE INSECTS	APPLICATION INSTRUCTIONS
Ants* Armyworms Cockroaches (German & American) Crickets Cutworms Earwigs European crane flies Fleas Fruit flies Green June beetles Lawn moths (sod webworms) Millipedes Palmetto bugs Sowbugs Mites Spittlebugs Springtails Deer ticks (which may transmit Lyme Disease) Water bugs	A few hours prior to application, completely wet the grass, and apply as a thorough coverage spray. One quart will treat 62.5 sq. ft. For ideal control of surface insects, postpone additional watering or mowing for 24 hours. Treat ants and other insects when they begin to appear or when you notice lawn damage.  <b>Do not apply more than 10 times per location, per year.</b>
*Allegheny mound, Argentine, Black carpenter, Cornfield, Field, Florida carpenter, Harvester, Honey, Pavement, Southern, Sugar, Nuisance.	

**OUTDOOR PESTS**

INSECTS	APPLICATION INSTRUCTIONS
Ants* Centipedes Cockroaches Crickets Fleas Flies Gnats Millipedes	To significantly reduce the potential for entry by crawling pests, apply a constant band of insecticide around building foundation. Apply as a spot or crack-and-crevice spray around windows, doors, eaves, vents and other areas. For more effective treatments, remove debris, leaf litter and other matter that is adjacent to the foundation that could possibly harbor pests. Apply a 3 ft. band around the structure and upwards along the foundation to 3 feet. Apply as a spot or crack-and-crevice spray around windows, doors, and roof overhangs. For the insecticide to reach

Mosquitoes Pillbugs Scorpions Sowbugs Spiders Deer ticks	the soil or thatch layer where pests may be active, apply as a coarse spray to completely wet the foundation and/or band area. 1 quart will treat 62.5 sq. ft. of surface area.
*Allegheny mound, Argentine, Black carpenter, Cornfield, Field, Florida carpenter, Harvester, Honey, Pavement, Southern, Sugar, Nuisance.	

## OUTDOOR SURFACES

INSECTS	APPLICATION INSTRUCTIONS
Ants* Centipedes Cockroaches Crickets Fleas Flies Gnats Millipedes Mosquitoes Pillbugs Scorpions Sowbugs Spiders Deer ticks	Make a residual application to ornamental plants adjacent to foundations of building. Apply as a spot or crack-and-crevice spray to surfaces such as, but not limited to porches, screens, window frames, eaves, patios and garages where these pests are active.  Works for up to 8 weeks on vinyl siding.
*Allegheny mound, Argentine, Black carpenter, Cornfield, Field, Florida carpenter, Harvester, Honey, Pavement, Southern, Sugar, Nuisance.	

## ORNAMENTAL TREES, SHRUBS & FLOWERS

**APPLICATION INSTRUCTIONS:** Apply thoroughly as a foliar spray to both sides of plant leaves and all plant surfaces where insects are present. For optimum results, apply early prior to high insect populations.

**NOTE:** For **Scale** control, treat the whole plant, including the stem, trunks, and twigs.  
For **Bagworm** control, apply when bagworm larvae start to hatch.

Use Site	Insects Controlled
<p>For use on ornamental trees, shrubs and flowers such as, but not limited to:</p> <p>Ageratum, Ash, Aster, Arborvitae, Arizona Cypress, Azaleas, Begonia, Birch, Boxwood, Box Elder, Camellias, Cherry (ornamental), Non-bearing Citrus, Chrysanthemum, Carnation, Coleus, Common Ninebark, Conifers, Douglas Fir, Elm, English Ivy, Euonymus, Exacum, Weeping Fig, Fir, Gladioli, Gold Bells, Hawthorn, Holly, Honeysuckle, Hypoestes, Ivy, Juniper, Lilac, Locust, Maple, Marigold, Mimosa, Mock Orange, Nannyberry, Oak, Orchid, Palm, Pansy, Pea Shrub, Petunia, Philodendron, Pine, Ornamental Plum, Poinsettia, Poplar, Tulip Poplar, Rhododendron, Roses, Snapdragon, Snowberry, Spruce, Taxus, Willow, Zinnia.</p>	<p>Ants*, Armyworms, Aphids, Azalea caterpillar, Bagworms, Black vine weevil (adult), Boxelder bugs, Broadmites, Brown softscale, Budworms, California oakworm, California redbelt (crawlers), Cankerworms, Clovermites, Cockroaches, Crickets, Cutworms, Eastern tent caterpillar, Elm leaf beetles, European sawfly, Fall webworm, Flea beetles, Forest tent caterpillar, Fungus Gnat, Gypsy moth larvae, Japanese beetle (adults), June beetles (adults), Lace bugs, Leaf feeding caterpillars, Leafhoppers, Leafminers (adult), Leaf rollers, Leaf skeletonizers, Mealybugs, Midges, Oleander moth larvae, Pillbug, Pineneedle scale (crawler), Pine sawfly, Pine shoot beetles, Pinetip moths, Plant bugs, Root weevil, Sawfly, Scale insects (crawlers), Spiders, Spider mites, Spittlebugs, Striped beetles, Striped oakworm, Thrips, Tip moth, Tussock moth larvae, Whiteflies</p>
<p>*Allegheny mound, Argentine, Black carpenter, Cornfield, Field, Florida carpenter, Harvester, Honey, Pavement, Southern, Sugar, Nuisance.</p>	

## VEGETABLES

**APPLICATION INSTRUCTIONS:** Apply for complete coverage, trying to hit the underside of leaves.

**NOTE:** Do not apply more than 5 times per growing season to corn. For all other crops do not apply more than 9 times per growing season.

VEGETABLES	INSECTS CONTROLLED	PHI*
Broccoli Brussels sprouts Cabbage Cavalo broccoli Cauliflower Chinese broccoli Chinese cabbage Chinese mustard Kohlrabi	Alfalfa looper, Aphid, Armyworm, Beet armyworm, Cabbage looper, Cabbage webworm, Corn earworm, Cutworm, Diamondback moth, Fall armyworm, Flea beetle, Grasshopper, Imported cabbageworm, Japanese beetle (adult), Leafhopper, Lygus bug, Meadow spittlebug, Plant bug, Southern cabbageworm, Spider mite, Stink bug, Thrips, Yellow-striped armyworm, Whitefly	1
Corn (sweet & pop)	Armyworm, Bean leaf beetle, Beet armyworm, Cereal leaf beetle, Chinch bug, Corn earworm, Corn leaf aphid, Cutworm, English grain aphid, European corn borer, Grasshopper, Green bug, Green cloverworm, Hop vine borer, Japanese beetle (adult), Meadow spittlebug, Mexican corn rootworm beetle (adult), Northern corn rootworm beetle (adult), Sap beetle (adult), Southern corn rootworm beetle (adult), Southwestern corn borer, Stalk borer, Stink bug, Tobacco budworm, Western bean cutworm, Western corn rootworm beetle (adult)	21
Corn (sweet only)	Aphid, Aster leafhopper, Corn silkfly (adult), Southern armyworm, Spider mite, Tarnished plant bug, Western bean cutworm	21
Lettuce (head & leaf)	Aphid, Alfalfa looper, Armyworm, Beet armyworm, Cabbage looper, Corn earworm, Cutworm, Diamondback moth, European corn borer, Fall armyworm, Flea beetle, Grasshopper, Green cloverworm, Imported cabbageworm, Japanese beetle (adult),	1

	Leafhopper, Meadow spittlebug, Plant bug, Saltmarsh caterpillar, Southern armyworm, Spider mite, Stink bug, Tobacco budworm, Vegetable beetle (adult), Whitefly	
Onion (bulb) & Garlic	Aphid, Armyworm, Cutworm, Flower thrips, Leafminer (adult), Onion maggot (adult), Onion thrips, Plant Bug, Seedcorn maggot (adult), Stink bug, Tobacco thrips, Western flower thrips	14
Tomato & Tomatillo	Aphid, Beet armyworm, Cabbage looper, Colorado potato beetle, Cutworm spp., European corn borer, Fall armyworm, Flea beetle, Grasshopper, Hornworm, Leafhopper, Leafminer, Meadow spittlebug, Plant bug, Southern armyworm, Stink bug, Tobacco budworm, Tomato fruitworm, Tomato pinworm, Yellow-striped armyworm, Whitefly	5
*PHI = Pre-Harvest Interval. Number of days to wait between the last application and harvest.		

### STORAGE & DISPOSAL

**Pesticide Storage:** Store and transport in upright position. Store only in original container, in a cool dry place inaccessible to children or pets.

**Pesticide Disposal:** *If partly filled* – Call your local solid waste agency for disposal instructions. Never place unused product down any indoor or outdoor drain.

**Container Disposal:** *If empty* -- Non-refillable container. Do not reuse or refill this container. Offer for recycling, if available.

Seller warrants that this product complies with the specifications expressed in this label. To the extent consistent with applicable law, Seller makes no other warranties, and disclaims all other warranties, express or implied, including but not limited to warranties of merchantability and fitness for the intended purpose. To the extent consistent with applicable law, Seller's liability or default, breach or failure under this label shall be limited to the amount of the purchase price. To the extent consistent with applicable law, Seller shall have no liability for consequential damages.

For information on pesticide products (including health concerns, medical emergencies, or pesticide incidents) call National Pesticide Information Center at 1-800-858-7378.

#### Bonide Products, Inc.

6301 Sutliff Road, Oriskany, NY 13424

[batch code inserted at production]